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NEWS 5 AUG 30 CA/CPlus - Increased access to 19th century research documents  
NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions  
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY  
NEWS 8 SEP 22 MATHDI to be removed from STN

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

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FILE 'HOME' ENTERED AT 14:14:55 ON 29 SEP 2005

=> file medline, agricola, caba, caplus, biosis, biotechno  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.21 0.21

FILE 'MEDLINE' ENTERED AT 14:15:03 ON 29 SEP 2005

FILE 'AGRICOLA' ENTERED AT 14:15:03 ON 29 SEP 2005

FILE 'CABA' ENTERED AT 14:15:03 ON 29 SEP 2005  
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FILE 'CAPLUS' ENTERED AT 14:15:03 ON 29 SEP 2005  
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FILE 'BIOSIS' ENTERED AT 14:15:03 ON 29 SEP 2005  
Copyright (c) 2005 The Thomson Corporation

FILE.'BIOTECHNO' ENTERED AT 14:15:03 ON 29 SEP 2005  
COPYRIGHT (C) 2005 Elsevier Science B.V., Amsterdam. All rights reserved.

=> s (kriz, a? or kriz a?)/au  
L1 206 (KRIZ, A? OR KRIZ A?)/AU

=> s (luethy, m? or luethy m?)/au  
L2 130 (LUETHY, M? OR LUETHY M?)/AU

=> s (voyles, d? or voyles d?)/au  
L3 16 (VOYLES, D? OR VOYLES D?)/AU

=> s 11 and 12 and 13  
L4 10 L1 AND L2 AND L3

=> duplicate remove 14

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CAPLUS, BIOSIS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L4

L5 7 DUPLICATE REMOVE L4 (3 DUPLICATES REMOVED)

=> d 15 1-7 ti

L5 ANSWER 1 OF 7 MEDLINE on STN DUPLICATE 1  
TI Improving nutritional quality of maize proteins by expressing sense and antisense zein genes.

L5 ANSWER 2 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Feedback resistant corn anthranilate synthase increases trp levels in transgenic Arabidopsis and soy.

L5 ANSWER 3 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Zein reduction in transgenic corn plants expressing antisense zein cDNAs.

L5 ANSWER 4 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Zein reduction in transgenic corn plants expressing antisense zein cDNAs.

L5 ANSWER 5 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Deregulation of tryptophan biosynthesis in maize.

L5 ANSWER 6 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Zein reduction in transgenic plants expressing antisense zein cDNAs.

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Expression of transgenes in plants using promoter and terminator sequences from Coix

=> d 15 7 bib

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:736897 CAPLUS  
DN 131:347500  
TI Expression of transgenes in plants using promoter and terminator sequences from Coix  
IN Kriz, Alan L.; Luethy, Michael H.; Voyles, Dale A.  
PA Dekalb Genetics Corporation, USA  
SO PCT Int. Appl., 240 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9958659	A2	19991118	WO 1999-US10776	19990514
	WO 9958659	A3	20000120		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,

JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6635806	B1	20031021	US 1998-78972	19980514
CA 2328129	AA	19991118	CA 1999-2328129	19990514
AU 9939957	A1	19991129	AU 1999-39957	19990514
EP 1076706	A2	20010221	EP 1999-923112	19990514
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
TR 200100104	T2	20010621	TR 2001-200100104	19990514
BR 9910455	A	20011127	BR 1999-10455	19990514
JP 2002533057	T2	20021008	JP 2000-548450	19990514
ZA 2000006576	A	20020213	ZA 2000-6576	20001113
PRAI US 1998-78972	A1	19980514		
WO 1999-US10776	W	19990514		

=> d his

(FILE 'HOME' ENTERED AT 14:14:55 ON 29 SEP 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 14:15:03 ON 29 SEP 2005

L1	206 S (KRIZ, A? OR KRIZ A?)/AU
L2	130 S (LUETHY, M? OR LUETHY M?)/AU
L3	16 S (VOYLES, D? OR VOYLES D?)/AU
L4	10 S L1 AND L2 AND L3
L5	7 DUPLICATE REMOVE L4 (3 DUPLICATES REMOVED)

=> s 11 or 12 or 13	
L6	326 L1 OR L2 OR L3

=> s 16 not 14	
L7	316 L6 NOT L4

=> s coixin same promoter	
L8	0 COIXIN SAME PROMOTER

=> s coixin	
L9	63 COIXIN

=> s 19 and 17	
L10	0 L9 AND L7

=> s 19 and promoter	
L11	29 L9 AND PROMOTER

=> duplicate remove 111	
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'	
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n	
PROCESSING COMPLETED FOR L11	

L12	9 DUPLICATE REMOVE L11 (20 DUPLICATES REMOVED)
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=> d 112 1-9 ti

L12	ANSWER 1 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
TI	Studies toward the identification of transcription factors in cassava storage root

L12	ANSWER 2 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
TI	Expression of correctly processed human growth hormone in seeds of transgenic tobacco plants

L12	ANSWER 3 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
TI	Expression of transgenes in plants using promoter and terminator

.sequences from Coix

L12 ANSWER 4 OF 9 MEDLINE on STN DUPLICATE 1  
TI Identification of a DNA-binding factor that recognizes an alpha-coixin promoter and interacts with a Coix Opaque-2 like protein.

L12 ANSWER 5 OF 9 MEDLINE on STN DUPLICATE 2  
TI Cooperative DNA binding and sequence discrimination by the Opaque2 bZIP factor.

L12 ANSWER 6 OF 9 MEDLINE on STN DUPLICATE 3  
TI The involvement of Opaque 2 on beta-prolamin gene regulation in maize and Coix suggests a more general role for this transcriptional activator.

L12 ANSWER 7 OF 9 MEDLINE on STN DUPLICATE 4  
TI The transcriptional activator Opaque2 recognizes two different target sequences in the 22-kD-like alpha-prolamin genes.

L12 ANSWER 8 OF 9 MEDLINE on STN DUPLICATE 5  
TI Structural characterization and promoter activity analysis of the gamma-kafirin gene from sorghum.

L12 ANSWER 9 OF 9 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI The 22 kDa alpha-coixin promoter is transactivated by the maize O2 protein.

=> d 112 3,4,8,9 bib

L12 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:736897 CAPLUS  
DN 131:347500  
TI Expression of transgenes in plants using promoter and terminator sequences from Coix  
IN Kriz, Alan L.; Luethy, Michael H.; Voyles, Dale A.  
PA Dekalb Genetics Corporation, USA  
SO PCT Int. Appl., 240 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958659	A2	19991118	WO 1999-US10776	19990514
WO 9958659	A3	20000120		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6635806	B1	20031021	US 1998-78972	19980514
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EP 1076706	A2	20010221	EP 1999-923112	19990514
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
TR 200100104	T2	20010621	TR 2001-200100104	19990514
BR 9910455	A	20011127	BR 1999-10455	19990514
JP 2002533057	T2	20021008	JP 2000-548450	19990514
ZA 2000006576	A	20020213	ZA 2000-6576	20001113
PRAI US 1998-78972	A1	19980514		
WO 1999-US10776	W	19990514		

L12 ANSWER 4 OF 9 MEDLINE on STN DUPLICATE 1

AN .1999178797 MEDLINE  
DN PubMed ID: 10080712  
TI Identification of a DNA-binding factor that recognizes an alpha-  
coixin promoter and interacts with a Coix Opaque-2 like  
protein.  
AU de Souza Filho G A; da Silva M J; Vettore A L; Yunes J A; Leite A; Arruda  
P; Ottoboni L M  
CS Centro de Biologia Molecular e Engenharia Genetica, Instituto de Biologia,  
Universidade Estadual de Campinas, SP, Brazil.  
SO Plant molecular biology, (1999 Jan) 39 (1) 95-104.  
Journal code: 9106343. ISSN: 0167-4412.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199904  
ED Entered STN: 19990413  
Last Updated on STN: 20021019  
Entered Medline: 19990401

L12 ANSWER 8 OF 9 MEDLINE on STN DUPLICATE 5  
AN 95115665 MEDLINE  
DN PubMed ID: 7816025  
TI Structural characterization and **promoter** activity analysis of  
the gamma-kafirin gene from sorghum.  
AU de Freitas F A; Yunes J A; da Silva M J; Arruda P; Leite A  
CS Centro de Biologia Molecular e Engenharia Genetica, Universidade Estadual  
de Campinas, Cidade Universitaria Zeferino Vaz, SP, Brazil.  
SO Molecular & general genetics : MGG, (1994 Oct 28) 245 (2) 177-86.  
Journal code: 0125036. ISSN: 0026-8925.  
CY GERMANY: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-X62480  
EM 199502  
ED Entered STN: 19950217  
Last Updated on STN: 19960129  
Entered Medline: 19950207

L12 ANSWER 9 OF 9 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
AN 1993:239928 BIOSIS  
DN PREV199344113128  
TI The 22 kDa alpha-**coixin promoter** is transactivated by  
the maize O2 protein.  
AU Yunes, Jose A.; Cord-N., Germano; Silva, Marcio J.; Vettore, Andre J.;  
Leite, Adilson; Arruda, Paulo  
CS Cent. Biol. Mol. Engenharia Genet., Univ. Estadual Campinas, 13081,  
Campinas, Sao Paulo, Brazil  
SO Journal of Cellular Biochemistry Supplement, (1993) Vol. 0, No. 17 PART A,  
pp. 134.  
Meeting Info.: Keystone Symposium on Transcription: Factors, Regulation  
and Differentiation. Keystone, Colorado, USA. January 17-24, 1993.  
ISSN: 0733-1959.  
DT Conference; (Meeting)  
LA English  
ED Entered STN: 15 May 1993  
Last Updated on STN: 15 May 1993

=> d his

(FILE 'HOME' ENTERED AT 14:14:55 ON 29 SEP 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
14:15:03 ON 29 SEP 2005

L1 206 S (KRIZ, A? OR KRIZ A?)/AU  
L2 130 S (LUETHY, M? OR LUETHY M?)/AU  
L3 16 S (VOYLES, D? OR VOYLES D?)/AU

L4 10 S L1 AND L2 AND L3  
L5 7 DUPLICATE REMOVE L4 (3 DUPLICATES REMOVED)  
L6 326 S L1 OR L2 OR L3  
L7 316 S L6 NOT L4  
L8 0 S COIXIN SAME PROMOTER  
L9 63 S COIXIN  
L10 0 S L9 AND L7  
L11 29 S L9 AND PROMOTER  
L12 9 DUPLICATE REMOVE L11 (20 DUPLICATES REMOVED)

=> file uspatfull  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
SESSION  
FULL ESTIMATED COST 32.17 32.38

FILE 'USPATFULL' ENTERED AT 14:21:44 ON 29 SEP 2005  
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 27 Sep 2005 (20050927/PD)  
FILE LAST UPDATED: 27 Sep 2005 (20050927/ED)  
HIGHEST GRANTED PATENT NUMBER: US6951031  
HIGHEST APPLICATION PUBLICATION NUMBER: US2005210555  
CA INDEXING IS CURRENT THROUGH 27 Sep 2005 (20050927/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 27 Sep 2005 (20050927/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2005  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2005

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>>> original, i.e., the earliest published granted patents or <<<  
>>> applications. USPAT2 contains full text of the latest US <<<  
>>> publications, starting in 2001, for the inventions covered in <<<  
>>> USPATFULL. A USPATFULL record contains not only the original <<<  
>>> published document but also a list of any subsequent <<<  
>>> publications. The publication number, patent kind code, and <<<  
>>> publication date for all the US publications for an invention <<<  
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<  
>>> records and may be searched in standard search fields, e.g., /PN, <<<  
>>> /PK, etc. <<<  
  
>>> USPATFULL and USPAT2 can be accessed and searched together <<<  
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<  
>>> enter this cluster. <<<  
>>> <<<  
>>> Use USPATALL when searching terms such as patent assignees, <<<  
>>> classifications, or claims, that may potentially change from <<<  
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 14  
12 KRIZ, A?/AU  
12 KRIZ A?/AU  
6 LUETHY, M?/AU  
6 LUETHY M?/AU  
3 VOYLES, D?/AU  
3 VOYLES D?/AU  
L13 1 L1 AND L2 AND L3

=> d 113 bib

L13 ANSWER 1 OF 1 USPATFULL on STN  
AN 2003:279265 USPATFULL  
TI Methods and compositions for expression of transgenes in plants  
IN Kriz, Alan L., Gales Ferry, CT, United States  
Luethy, Michael H., Old Mystic, CT, United States  
Voyles, Dale A., Griswold, CT, United States  
PA DeKalb Genetics Corporation, DeKalb, IL, United States (U.S.  
corporation)

PI • US 6635806 B1 20031021  
AI US 1998-78972 19980514 (9)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Fox, David T.; Assistant Examiner: Collins, Cynthia  
LREP Fulbright & Jaworski L.L.P.  
CLMN Number of Claims: 15  
ECL Exemplary Claim: 1,2  
DRWN 12 Drawing Figure(s); 7 Drawing Page(s)  
LN.CNT 5969  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:14:55 ON 29 SEP 2005)

FILE 'MEDLINE, AGRICOLA, CABAB, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
14:15:03 ON 29 SEP 2005

L1 206 S (KRIZ, A? OR KRIZ A?)/AU  
L2 130 S (LUETHY, M? OR LUETHY M?)/AU  
L3 16 S (VOYLES, D? OR VOYLES D?)/AU  
L4 10 S L1 AND L2 AND L3  
L5 7 DUPLICATE REMOVE L4 (3 DUPLICATES REMOVED)  
L6 326 S L1 OR L2 OR L3  
L7 316 S L6 NOT L4  
L8 0 S COIXIN SAME PROMOTER  
L9 63 S COIXIN  
L10 0 S L9 AND L7  
L11 29 S L9 AND PROMOTER  
L12 9 DUPLICATE REMOVE L11 (20 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 14:21:44 ON 29 SEP 2005

L13 1 S L4

=> s 16

12 KRIZ, A?/AU  
12 KRIZ A?/AU  
6 LUETHY, M?/AU  
6 LUETHY M?/AU  
3 VOYLES, D?/AU  
3 VOYLES D?/AU  
L14 17 L1 OR L2 OR L3

=> s l14 and coix

587 COIX  
L15 4 L14 AND COIX

=> d l15 1-4 ti

L15 ANSWER 1 OF 4 USPATFULL on STN  
TI Recombinant DNA for gene suppression

L15 ANSWER 2 OF 4 USPATFULL on STN  
TI Methods and compositions for expression of transgenes in plants

L15 ANSWER 3 OF 4 USPATFULL on STN  
TI The maize A3 promoter and methods for use thereof

L15 ANSWER 4 OF 4 USPATFULL on STN  
TI Maize A3 promoter and methods for use thereof

=> d his

(FILE 'HOME' ENTERED AT 14:14:55 ON 29 SEP 2005)

FILE 'MEDLINE, AGRICOLA, CABAB, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
14:15:03 ON 29 SEP 2005

L1 206 S (KRIZ, A? OR KRIZ A?)/AU  
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L3 16 S (VOYLES, D? OR VOYLES D?)/AU  
L4 10 S L1 AND L2 AND L3  
L5 7 DUPLICATE REMOVE L4 (3 DUPLICATES REMOVED)  
L6 326 S L1 OR L2 OR L3  
L7 316 S L6 NOT L4  
L8 0 S COIXIN SAME PROMOTER  
L9 63 S COIXIN  
L10 0 S L9 AND L7  
L11 29 S L9 AND PROMOTER  
L12 9 DUPLICATE REMOVE L11 (20 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 14:21:44 ON 29 SEP 2005

L13 1 S L4  
L14 17 S L6  
L15 4 S L14 AND COIX

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.76	36.14

STN INTERNATIONAL LOGOFF AT 14:22:42 ON 29 SEP 2005